## TE/CMPN-I (Red) 27/11/12 microprocessor

Shilpa -(b) 34 **Con.7602-12.** 

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**KR-5093** 

			(3 Hours)	[Total Marks : 100	)
N.E			Question No. 1 is <b>compulsory</b> . Attempt any <b>four</b> questions out of remaining <b>six</b> questions		
1.			rplain the following Intel 8086 assembly language instruction  (a) TEST  (b) DAA  (c) STOS  (d) SAR  (e) JC.  rplain the interrupt structure of the 8085 microprocessor was assembly language instruction.		
2.			plain addressing modes of 8085 microprocessor with explain assembler directives of 8086.	ample.	10 10
3.	(b)	dis Wr	plain the different bus arbitration techniques with the advantages. Ite an assembly language program for 8086 to transfe ated at 0100 H to 02 00H using string instructions.		
<b>4.</b>		exp Wh	plain the necessity of a bus controller in 8086 maximum modain the 8288 bus controller in detail.  nat is segmented memory? State the advantages of segmentee to the 8086 microprocessor.		
	(b)	808 Ext	plain the concept of DMA. Show and explain an interface 36 with the 8237 DMA controller.  Plain the operating modes of 8255 PPI. Also, explain eration for input and output in mode 1.		
	•	( Drà	sign an 8086 based system with the following specificati (i) 8086 is in minimum mode (ii) 64 kbyte EPROM using 52 KB devices (iii) 64 kbyte RAM using 32 KB devices. Iw the complete schematic of the design indicating addre		10
7.	Writ	te s	hort notes on any <b>four</b> of the following:-		20

(a) RS 232 serial interface standard

(c) IEEE 488 GPIB

(d) 8284 clock generator(e) String instructions in 8086(f) Addressing modes of 8086.

(b) Difference between memory mapped I/O and I/O mapped I/O

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